A SURVEY IN TOWNSHIP 5 NORTH, RANGE 34 EAST, W.M. (S89 *50 'E 2640 ') R1 (WEST 2647.26') R5 (WEST 2622.84) R5 533 \ 534 \$4 \ 53 (S89 *50 'E 2537.04') R1 C2 S88 20 40 W 2561.91 1/4 S31 N88 39 12 E 2646.01 531 S32 N89 *27 '24"E 2651.27 ' S5 A N89 *26 '44"E 5302,54' `S5 N88 '38 '45"E 2646.01" (S89 *50 'E 5280 ') R1 (WEST 2647.26') R5 NARRATIVE OF SURVEY (WEST 2647.26') R5 (S89 *50 'E 2640 ') R1 (S89 50 E 2640) R1 Note: The road grade from County Rd. 284 is still visible on the east side of this fence. This survey was performed at the request of EURUS ENERGY AMERICA CORPORATION. The purpose of the survey was to identify and monument the boundaries of the northeast quarter of section 8 as shown. This township was originally surveyed in 1865 by GLO deputy surveyors Odell and Lewis. Their work in the northwest corner of this township had errors which were first noted when their work in T6N, R33E, was rejected by the GLO. In the subsequent survey in T6N, R33E, in 1874, deputy surveyor Nicholas Walden reported that the closing distance of the west township line for T5N, R34E was only 56.69 chains instead of the 80 chains reported by Odell and Lewis. The effect of the errors in their work has been documented by seven different surveys in this area performed between 1899 and 1919. The difficulties generated by their measurement errors have been compounded by the fact that their *35'E 78. *04'02"E monumentation consisted entirely of cotton wood posts. As reported by then County County Surveyor John Kimbrell in 1906, many of these posts had been replaced with fence posts by early settlers and others had been lost to fire. John Kimbrell performed two surveys of Section 6. In his second survey the south line of Section 6 was based on a monument at the southeast corner by George **S6** BPA right of way. 100' wide. See deeds D1 - D4 and D13 - D15. Winkles and an unmarked stake "dug up" by one of the area settlers. This stake was more than 8 chains west of the township line. The result of accepting these corners was that Section 6 would be nearly record dimension, and the Odell and Lewis error would be placed in Section 7 instead of Section 6. This is contrary to the report by US deputy surveyor Walden and, as I have found Mr. Walden's work to be very credible in T6N, R33E, and since his survey was the closest in time to (SOUTH 89 •53 E 79.82ch) R1 (70.00ch) R5 N80 *07 *59 "W 5264.55 the original Odell and Lewis work when the wooden monuments should still have been visible. I have held his record as controlling in Section 6. To establish the boundary of the northeast quarter of Section 8 it was necessary to retrace enough of the early surveys to verify the found monuments and the record fence corners. It should be noted that the fence corners along the south side of (35.50ch) R5 (S88 *54 W 80.61ch) R7 Section 8 and the south 1/4 corner of Section 7 were sworn to under oath by settler A. B. McEwen in survey R5. I held all of the monuments as shown. I located the S88 '23' 20 W 5308.77 southwest corner of Section 8 based on the nearest fence evidence east and west of the existing north — south fence. The resulting location is in good agreement with Kimbrell's record distance of 149.59 chains south of the north township line. To S88 15 13 W 2698.17 (N88 54 E 40.81ch) R7 locate the west 1/4 corner and the northwest corner of Section 8, I held the existing north - south fence location as controlling the line location and proportioned the northing locations based on the 1865 GLO record. I proportioned the southwest corner of Section 6 based on the 1874 GLO record of Mr. Walden. The east - west fence through the center of Sections 7, 8, and 9 has reportedly been moved several The corner falls 410.4 feet south times to accomodate stock watering. None of the surveys of Section 8 called for of the fence. it as being near the 1/4 corner. The location of the BPA transmission line as shown is based on the actual pole locations. In reviewing the BPA mile maps it is apparent that they did not verify the existence of any of the monuments shown and accepted parol evidence as to the fence corners that they did hold. An additional 50 feet of right of way was granted to the BPA in 1999 and was to be centered on the existing right of way and lie 25 The corner falls 261.5 feet south N83 *09 '37 "W 5122.46 ' of the fence. S8 N87 *55 '38 "W 2348.65 ' feet on each side of it. N87 *55 '38"W 2697.27' (N89 *34'W 2666.4') R8 N67.00.18"W 2915.38. 53ch) R The nortwest corner of this township was established as common to all four townships. John Kimbrell reestablished this corner by three way proportion in survey R5 and set a stone monument. I found and held that monument in my survey R12. This stone was approximately 100 feet south of the existing fence and 20 feet east of a north — south fence and shows no evidence of having been used as the corner by the landowners. Since the time of my earlier survey I have surveyed several sections in T6N, R33E and have found Mr. Walden's work very reliable. The corner location used by the existing possessory fences is in good agreement with Mr. Walden's record of N89 10 12 W 5397.46 (NORTH NO3 *15 STATION 40. 37. 1™ by the existing possessory fences is in good agreement with Mr. Walden's record of the township corner location so I have held that position as the township corner for this survey. I set a new monument and stamped the cap at Kimbrell's position W.C.. This survey was performed using a LIECA System 300 RTK GPS. All corners were C15 N86 *17 '20 "W 2447.88' \$12 \s7 tied with at least one redundant measurement. N86 10 54 W C17 €048.81 Plowーグ (N89 *50 E) (39, 97ch) R1 2309.08 berm. S8 S9 S17 S16 S18 (N89 *50 E) S18 X S17 (S89 *54 ' W) Fence (40.00ch) H1 N88 *52 ' 10 "W (39.93ch) R1 C18 💢 S86 53 39 E 5485.34 S9 S10 S16 S15 × corner (EAST) 2692.74 C19 122' W. (34.60ch) R5 (N86 *00'W 5497.80') R8 (S89 *54 'W) (39.92ch) R1 SURVEY LEGEND Stock water FOUND THE MONUMENT AS NOTED ON RECORD DEED RECORDS GLO CONTRACT No. 110 DATED FEBRUARY 7, 1865 gap SURVEY. SEE CORNER ─── Plow berm BOOK 160 PAGE 150 BY ODELL & LEWIS PAGE 162 BOOK 160 GLO CONTRACT No. 209 DATED JULY 6, 1874 SET BRASS CAP AT FOUND MONUMENT FROM RECORD DЗ BOOK 160 PAGE 220 SURVEY. SEE FILED BY NICHOLAS O. WALDEN BOOK 160 PAGE 221 CORNER CERTIFICATE. RECORD OF PRIVATE SURVEYS D5 PAGE 527 BOOK 328 SET A BRASS CAP AT BOOK 1. PAGE 400 THE COMPUTED POINT. SEE THE FILED CORNER KIMBRELL, MARCH, 1899 BOOK 328 PAGE 528 PAGE 961 RECORD OF PRIVATE SURVEYS CERTIFICATE. 윤윤육 NO *07 'S (NORTH NORTH S16 BOOK 1. PAGE 466 REEL 192 PAGE 1050 EVIDENCE OF CORNER MACOMBER, MAY 1903 POSITION. NO MONUMENT PAGE 1590 38,78 GRAPHIC SCALE 1"=1000 RECORD OF PRIVATE SURVEYS D10 REEL 229 PAGE 803 BOOK 2. PAGE 36 5374. 5367. 33"W 5 COMPUTED POINT SEARCHED. KIMBRELL, JÜNE 1906 D11 REEL 229 PAGE 809 NO MONUMENT SET. RECORD OF PRIVATE SURVEYS 1000 2000 D12 REEL 229 PAGE 815 SET A 1" x 24" IRON REBAR BOOK 2, PAGE 252 шш`-D13 REEL 333 WITH A 2" ALUMINUM CAP PAGE 726 (53°30° (53°30° (54°15 KIMBRELL, MARCH 1914 STAMPED WTS AND D14 REEL 334 PAGE 714 56295LS RECORD OF PRIVATE SURVEYS BOOK 2. PAGE 276 D15 REEL 343 PAGE 303 FENCE CORNER BRADLEY, OCTOBER 1915 `Road 284. REEL 400 PAGE 418 HELD BY BPA AS THE 1/16TH CORNER RECORD OF PRIVATE SURVEYS BOOK 2, PAGE 310 C21 Road 92. ON BPA MILE MAPS (N89 *55 E 80.17ch) R1 S13 <u>I</u> S18 PERRY, APRIL 1919 N86 *05 '09 "W 5154.76 --X- FENCE LINES CS# Q-783-C, HARRIS BASIS OF BEARINGS RIGHT OF WAY LINE R10 CORNER CERT 91-18-B, WELLS Bearings are based on GPS S20 "S21 S89 25 26 E 2654.93 • ----- PLOW BERMS N89 41 33 W 5252.78 observations rotated 1°20'56" CS# 01-031-C. TOMKINS S21 Waterman Road (S89°48'W 80.01ch) R1 clockwise to true bearings. PROJECT AREA (S89 *23 '10 "E 2652.1 ') R9 R12 CS# 03-021-C, S. HADDOCK FOUND CORNER MONUMENTS EVIDENCE OF CORNER ROAD NOTES FOR 01.28 1371. 371.0 COUNTY Rd. No. 284 ARNOLD, MAY 1887 C1 I found the brass cap I set at the C7 The stone set by Bradley in R7 stone proportioned by Kimbrell but has been moved. I computed this C13 I held the Township line and the C19 This corner is at the ROAD NOTES FOR old RR grade, held the fence corner to the north. east - west fence. The position corner location based on Bradley's R14 COUNTY Rd. No. 717 intersection of a plow berm See the narrative. KIMBRELL, JUNE 1911 tie to the fence corner to the East. agrees with survey R5. from the south and a berm and REGISTERED an old fence line to the west C2 I held the brass cap I set under PROFESSIONAL NPR RIGHT OF WAY C8 I found a basalt stone with an C14 I held the fence for easting and It agrees very well with the R15 MAP ON FILE IN THE ASSESSORS OFFICE. survey R12. LAND SURVEYOR "x" in a mound of stone with a proportioned the northing. record from R5 and R8. decayed stake set by Perry in tesan Z. Halfork C3 I held the brass cap I set under C15 I held the fence corner. It is in C20 I held the intersection of the survey R8. survey R12. line with the county road and county road and a plow berm to OREGON JULY 9, 2001 STEPHEN K. HADDOCK 56295LS C9 I found the basalt stone set by agrees well with R13. C4 I held the brass cap set by Paul the west. Bradley under survey R7 plainly Tomkins under survey R11. C16 This fence corner was sworn to by marked "X" on top and 1/4 on the C21 I held the intersection of the A. B. Mcewen in 1906 and matches C5 I held the fence corner used by county roads as per the notes south face. RENEWS 6-30-05 Bradley in R7 which he called the the calls from R5. of roads 284 and 92. C10 I found a basalt stone with "undisputed" corner. The position C17 This fence corner was sworn to by PROJECT No. 02-04.3 DATE: MARCH 2003 C22 I held the old north - south an "x" set by Macomber under fits measurements from Kimbrell's A. B. Mcewen in 1906. See survey fence and record distance from survey R4. BOUNDARY SURVEY FOR R5, where he found the original the railroad grade as shown on RECEIVED BY stake. MONUMENTS SET: MARCH 13 & 14, 2003. C11 I found the brass cap set by the NPR right of way map. C18 This fence corner was also sworn Umatilla County Surveyor Wells. R10. A 3/4" iron pipe C6 I held the stone Perry said was EURUS ENERGY AMERICA to by A. B. Mcewen. The fence here Date: 10-03 bears N83 *44'57"E, 143.72'. WITNESS TREE SURVEYING set by Winkle and was used by is highly decayed but may still be Rec'd By: KK No.: 03-3/3-C CORPORATION Bradley in R7. It agrees with the found. It is the only corner in C12 I found the railroad iron set Stephen K. Haddock, PLS distances from Kimbrell in R5. the area which fits the location P.O. Box G by Harris under survey R9. of the center quarter set by Perry LOCATION: SECTIONS 4-9 & 16-18, T5N, R34E, W.M. UMATILLA COUNTY, OREGON. Pilot Rock, Oregon 97868 (541) 443-2922